

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 December 2001 (27.12.2001)

PCT

(10) International Publication Number
WO 01/99313 A1

(51) International Patent Classification⁷: **H04B 7/26**

(21) International Application Number: PCT/KR01/01072

(22) International Filing Date: 22 June 2001 (22.06.2001)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
2000-34614 22 June 2000 (22.06.2000) KR
2000-54983 19 September 2000 (19.09.2000) KR
2001-27414 18 May 2001 (18.05.2001) KR

(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD**
[KR/KR]; 416, Maetan-dong, Paldal-gu, Suwon-shi,
Kyungki-do 442-370 (KR).

(72) Inventors: **LEE, Hyun-Seok**; 108-13, Sunae-dong,
Pundang-gu, Songnam-shi, Kyonggi-do 463-020 (KR).
CHOI, Ho-Kyu; 56-2, Jamwon-dong, Seocho-gu, Seoul
137-030 (KR). **CHOI, Sung-Ho**; Neutimaetul #306-302,
Jeongja-dong, Pundang-gu, Songnam-shi, Kyonggi-do
463-010 (KR). **JUNG, Ki-Ho**; 564, Daeya-dong, Sihe-
ung-shi, Kyonggi-do 429-010 (KR). **LEE, Hyun-Woo**;
Byucksan APT. #806-901, Kwonson-dong, Kwon-
son-gu, Suwon-shi, Kyonggi-do 441-390 (KR). **CHANG,**

Jin-Weon; 531-83, Ssangmun-dong, Dobong-gu, Seoul
132-030 (KR). **LEE, Kook-Heui**; Cheongsolmaeul,
Seokwang APT. #103-202, Keumgok-dong, Pundang-gu,
Songnam-shi, Kyonggi-do 463-480 (KR). **LEE, Ju-Ho**;
Salgugol Hyundai APT. #730-803, Youngtong-dong,
Paldal-gu, Suwon-shi, Kyonggi-do 442-470 (KR).

(74) Agent: **LEE, Keon-Joo**; Mihwa Bldg. 110-2, Myon-
gryun-dong 4-ga, Chongro-gu, Seoul 110-524 (KR).

(81) Designated States (*national*): AU, CA, CN, JP.

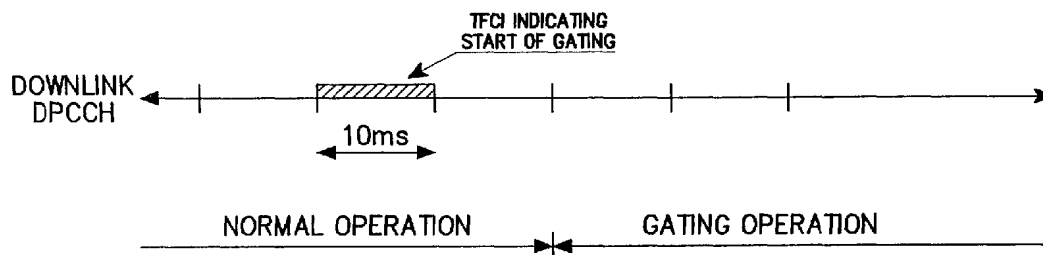
(84) Designated States (*regional*): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE, TR).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments
- entirely in electronic form (except for this front page) and
available upon request from the International Bureau

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR GATED TRANSMISSION OF DEDICATED PHYSICAL CONTROL CHANNEL AND METHOD THEREOF IN MOBILE COMMUNICATION SYSTEM



(57) Abstract: The present invention relates to a DPCCH (Dedicated Physical Control Channel) gating system in a mobile communication system. A UTRAN (UMTS Terrestrial Radio Access Network) transmits a gating start order or a gating end order to a UE (User Equipment) through a TFCI (Transport Format Combination Indicator) symbol according to whether there exists data transmitted over a forward PCCH (Physical Common Channel) and a forward DPDCH (Dedicated Physical Data Channel), thereby to start or end gating the DPCCH.



WO 01/99313 A1

